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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/655,581	09/05/2003	Daniel James Twitchen	242517US0CONT	7328
22850	7590 03/20/2006		EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			HENDRICKSON, STUART L	
1940 DUKE	ESTREET RIA, VA 22314		ART UNIT	PAPER NUMBER
TIDD/H II (D)	, 22011		1754	
			DATE MAILED: 03/20/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

				·/w		
		Application No.	Applicant(s)			
		10/655,581	TWITCHEN ET AL.			
	Office Action Summary	Examiner	Art Unit	·		
		Stuart Hendrickson	1754			
Period fo	The MAILING DATE of this communication ap or Reply	ppears on the cover sheet with the o	orrespondence address			
WHIC - Exter after - If NC - Failu Any (ORTENED STATUTORY PERIOD FOR REPLECTED IN CHEVER IS LONGER, FROM THE MAILING Insions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by staturely received by the Office later than three months after the mailing datent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tird d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. mely filed the mailing date of this communication (C) (35 U.S.C. § 133).			
Status						
1)	Responsive to communication(s) filed on 11.	January 2006.				
		is action is non-final.				
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.			
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) <u>1-40</u> is/are pending in the application 4a) Of the above claim(s) <u>31-36</u> is/are withdray Claim(s) is/are allowed. Claim(s) <u>1-30, 37-40</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/	awn from consideration.				
Applicati	on Papers					
10)	The specification is objected to by the Examin The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E	ccepted or b) objected to by the le drawing(s) be held in abeyance. Section is required if the drawing(s) is objection	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d	d).		
Priority u	ınder 35 U.S.C. § 119					
a)[Acknowledgment is made of a claim for foreig All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority documer application from the International Burea see the attached detailed Office action for a list	nts have been received. Ints have been received in Application or ity documents have been received au (PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachment	t(s) e of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)			
2) 🔲 Notic 3) 🔯 Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 r No(s)/Mail Date	Paper No(s)/Mail Da				

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The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-30, 37-40 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Tsuji et al. 5328548.

The reference teahces in the examples single-crystal colored diamonds of the claimed size. While not teaching the CVD or 'layer', no differences are seen in the actual product. No differences are seen in the optical pattern, given the recitation in the reference of the nitrogen content. Claims 37 and 38 should be not depend upon a nonelected claim.

Claims 1-30, 37-40 are rejected under 35 U.S.C. 102(a) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Yan et al.

Yan teaches on pg. 12524 single crystal CVD colored diamond of the claimed size. No differences are seen. Claims 37 and 38 should be not depend upon a nonelected claim.

Claims 1-30, 37-40 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 52-61 of copending Application No. 10/655040. Although the conflicting claims are not identical, they are not patentably distinct from each other because they claim overlapping/essentially the same subject matter. This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Applicant's arguments filed 1/11/06 have been fully considered but they are not persuasive. The claims do not reflect the structural differences said to result from the different process from Tsuji. Claims 1-4 in particular do not exclude the nitrogen-centers of Tsuji. A Declaration versus Tsuji is recommended to determine what the optical properties are. The claims do not distinguish over the cracked diamond of Yan. As a diamond can be oriented in any direction,

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any of the faces can be called the 'thickness'. In other words, the claims do not require that the *minimum dimension* be 1 mm.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication should be directed to examiner Hendrickson at telephone number (571) 272-1351.

Stuart Hendrickson examiner Art Unit 1754